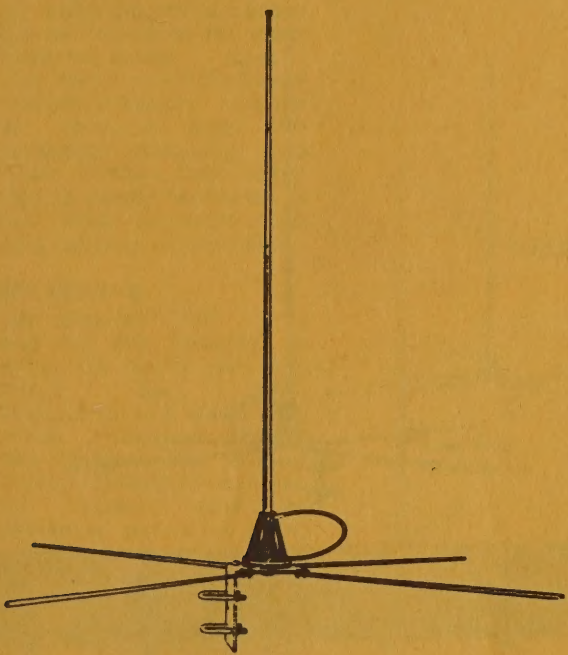
MOSLEY

GROUND PLANES



MOSLEY . . .

"A BETTER ANTENNA..."

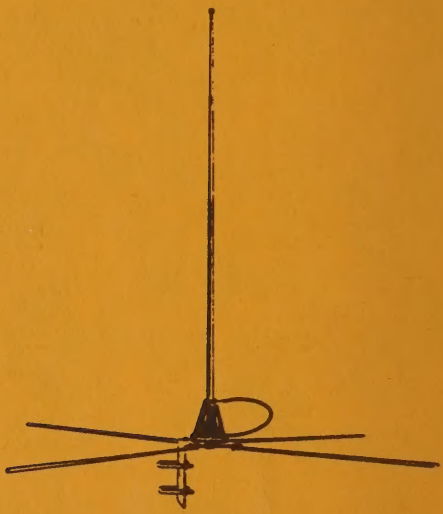
Mosley Electronics, Inc.

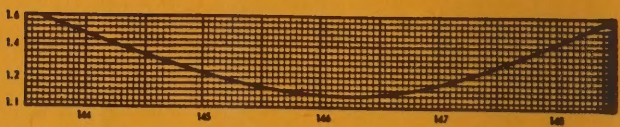
1344 Baur Boulevard St. Louis, Mo. 63132
1-314-994-7872 1-800-325-4016

2-Meter Amateur Antenna...

Super 5/8 Wave

Special customizing features available for the Business & Marine Bands. Other Special frequencies available.





Omni-directional vertically polarized high-performance 2 meter antenna with low angle of radiation for maximum coverage. The newest addition to the Mosley 2 meter line of Quality antennas! Ideal for area 2 meter QSO's and repeater to mobile communications. Simplicity of design makes for ease in assembly. Vertical element made of high tensile strength, high grade aluminum. High impact polystyrene base. All parts 100% rust- proof. Antenna lightweight. Power rated 1 KW FM/CW, 2 KW P.E.P. SSB input to the final. Mounting fits up to 1 1/2" OD mast. Another Quality addition to the Mosley 2 meter family of antennas.

SPECIFICATION AND PERFORMANCE DATA

GAIN: 3.4 db. compared to 1/4 wave ground plane
VSWR: 1.5/1 or better
IMPENDANCE: 52 ohms
MATCHING: 'Induct-O-Match'
GROUND RADIALS: 4
WIND LOAD (80 mph EIA std), Vertical: 6.12 lbs.
ASSEMBLED WEIGHT (approx.): 1 lb. 12 ozs.
HEIGHT (approx.): 4 ft.

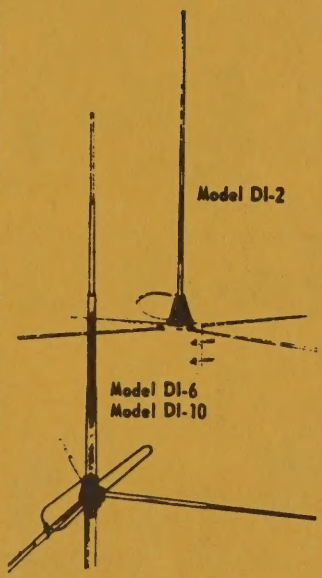
Vertical Ground Plane Antennas

DIPLOMAT-2

A 5/8 wave omni-direction vertically polarized 2 meter antenna with a low angle of radiation for ideal base-to-mobile operation. Features the Mosley "Induct-O-Match" system for loading and impedance matching and Coax Female Connector that is easily fastened to the radial support for a long lasting connection.

DIPLOMAT-6

For 6-meter VHF (DI-6) and for the popular 10 meter DX band (DI- 10), these two omni-directional 5/8 wave vertically polarized antennas feature the Mosley "Induct-O-Match" system for loading and impedance matching using 1/8" aluminum rods, swaged ends to reduce wind load and possibility of metal fatigue, and Coax Female Connector that is easily fastened to the radial support for a long lasting connection. Easy to mount and compact.



DIPLOMAT 10

Model	DI-2	DI-6	DI-10
Forward Gain - compared to 1/4 wave ground plane	3.4 db.	3.4 db.	3.4 db.
AM/CW	1 KW •	1 KW •	1 KW •
Power Rating P.E.P. SSB	2 KW •	2 KW •	2 KW •
Feed Point Impedance	52 ohms	52 ohms	52 ohms
Recommended Transmission Line	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance	1.5/1 or better	1.5/1 or better	1.5/1 or better
Matching System	"Induct-O-Match"	"Induct-O-Match"	"Induct-O-Match"
Ground Radials	4	3	3
Recommended Mast Size (diameter)	1 1/2" OD	1 1/2" OD	1 1/2" OD
Wind Load (EIA Std. 80 MPH)	6 lb. 2 oz.	31 lb.	41 lb.
Assembled Weight (approximately)	1 lb. 12 oz.	4 lb. 8 oz.	8 lb.
Shipping Weight (approximately)	2 lb. 8 oz.	5 lb. 8 oz.	9 lb.
Height (approximately)	4 ft.	12 ft.	19 ft.

CUSTOMIZING THE DIPLOMAT 2 - 6 - 10

...is easy because you Customize it Yourself -- a feature of the antenna that permits you to monitor the action of the 20th Century. This remarkable 2 meter antenna may be easily cut to any desired frequency between 150 and 175 MHZ. Simple, concise instructions are supplied with the Diplomat 2. Now you can tune into the police and the fire department, industrial, emergency net, utility, forestry, marine traffic communications, and many more interesting, useful, and informative broadcasts available on 150 through 175 MHZ.

Business Band transmitting and receiving are possible on your own assigned frequency in this range. The Diplomat 2 is ideal for anyone having a need for 2 meter base-to-base or base-to-mobile communications.

— **Business Band**
— **Marine**
— **Government**
— **Military**